FIGURE_1

SET NUMBER OF PHASES P, FILE INDEX N=0, FILE COUNT M=0, RETRIES R — 205

GENERATE RANDOM NUMBER S BETWEEN MIN AND MAX SIZE — 210

215 — FREESPACE < S?

NO

INCREMENT N, CREATE FILE N, WRITE S BYTES, INCREMENT M — 220

YES

REPEATED R TIMES? — 225

NO

YES

SET M' = M — 230

GENERATE RANDOM NUMBER F BETWEEN 1 AND N — 235

IF FILE F EXISTS, DELETE IT AND DECREMENT M — 240

NO

DELETED M'/2 FILES? — 245

YES

P PHASES DONE? — 250

NO

YES

STOP — 255

200

FIGURE 2